

**Notice of Allowability**

Application No.

10/814,338

Examiner

Eisa B. Elhilo

Applicant(s)

POURILLE-GRETHEN ET AL.

Art Unit

1751

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1:313 and MPEP 1308.

1. ☒ This communication is responsive to November 16, 2006.
2. ☒ The allowed claim(s) is/are 2,4-22,25-46,49-57 and 59-93.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 11/28/2006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

Eisa Elhilo  
Primary Examiner  
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11/30/06

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**DETAILED ACTION**

- 1 This action is responsive to the amendment filed on November 16, 2006.
- 2 The cancellation of claims 1 and 23-24 is acknowledged. Pending claims are 2, 4-22, 25-46 and 49-93.

**EXAMINER'S AMENDMENT**

- 3 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

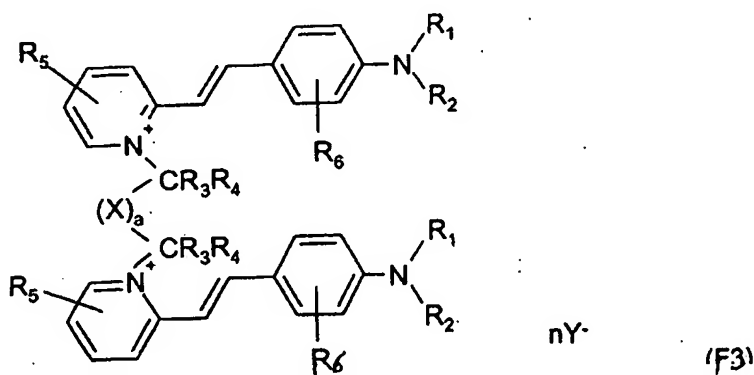
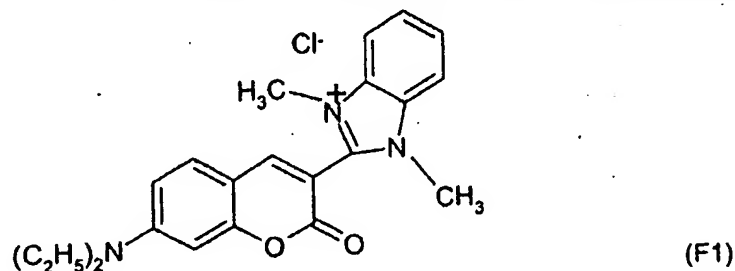
Authorization for this examiner's amendment was given in a telephone interview with Thalia V. Warnement on November 28, 2006.

The application has been amended as follows:

**In the claims:**

Please cancel claim 58.

In claim 49, at page 11, in line 9, after the term " glycerolated polyols" insert -- ; wherein the at least one fluorescent dye is chosen from groups formed by dyes comprising the following structures:



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wherein:

R<sub>1</sub> and R<sub>2</sub>, which may be identical or different, are chosen from:

- a hydrogen atom;
- linear and branched alkyl radicals comprising 1 to 10 carbon atoms, optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and optionally substituted with at least one halogen atom;
- aryl and arylalkyl radicals, wherein the aryl group comprises 6 carbon atoms and the alkyl group comprises from 1 to 4 carbon atoms; and wherein the aryl group is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom;
- R<sub>1</sub> and R<sub>2</sub> may optionally form, together with the nitrogen atom to which they are attached, at least one heterocycle and may comprise at least one other hetero atom, wherein the heterocycle is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom; and
- R<sub>1</sub> or R<sub>2</sub> may optionally form, together with the nitrogen to which they are attached and one of the carbon atoms of the phenyl group bearing the nitrogen atom, at least one heterocycle;

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- R<sub>3</sub> and R<sub>4</sub>, which may be identical or different, are each chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms;
- R<sub>5</sub>, which may be identical or different, is chosen from a hydrogen atom, a halogen atom and linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, optionally interrupted with at least one hetero atom;
- R<sub>6</sub>, which may be identical or different, is chosen from a hydrogen atom; a halogen atom; linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the alkyl radicals are optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom and are optionally substituted with at least one halogen atom;

- X is chosen from:

- linear and branched alkyl radicals comprising from 1 to 14 carbon atoms and alkenyl radicals comprising from 2 to 14 carbon atoms, wherein the alkyl radicals and alkenyl radicals are optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and are optionally substituted with at least one halogen atom;
- 5- or 6-membered heterocyclic radicals optionally substituted with at least one of:
  - linear and branched alkyl radicals comprising from 1 to 14 carbon atoms, wherein the at least one alkyl radicals are optionally substituted with at least one entity chosen from hetero atoms;
  - linear and branched aminoalkyl radicals comprising from 1 to 4 carbon atoms, optionally substituted with at least one hetero atom; and
  - halogen atoms;

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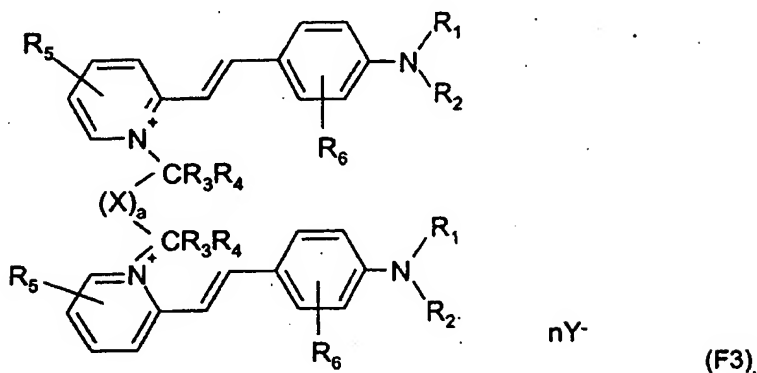
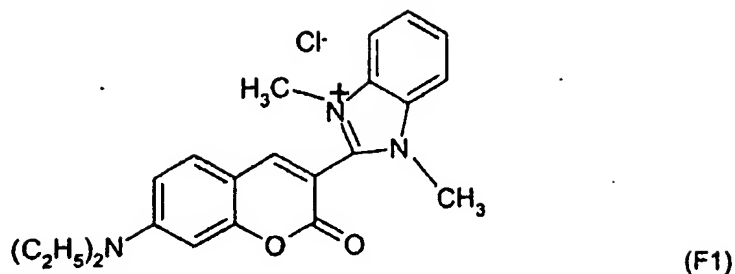
- fused and non-fused aromatic and diaromatic radicals, optionally separated with an alkyl radical comprising from 1 to 4 carbon atoms, wherein the aromatic and diaromatic radicals are optionally substituted with at least one entity chosen from halogen atoms and alkyl radicals comprising from 1 to 10 carbon atoms, said alkyl radicals being optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom;
  - a dicarbonyl radical; and
  - the group X possibly bearing at least one cationic charges;
- a being equal to 0 or 1;
- Y<sup>-</sup>, which may be identical or different, is chosen from organic and mineral anions; and
- n is an integer at least equal to 2 and at most equal to the number of cationic charges present in the at least one fluorescent compound— —

In claim 59, in line 1, replace "58" by -- 49--.

In claim 60, in line 1, replace "58" by --49--.

In claim 88, at page 22, in line 3, after the term "dry" insert -- ; wherein the at least one fluorescent dye is chosen from groups formed by dyes comprising the following structures:

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wherein:

R<sub>1</sub> and R<sub>2</sub>, which may be identical or different, are chosen from:

- a hydrogen atom;
- linear and branched alkyl radicals comprising 1 to 10 carbon atoms, optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and optionally substituted with at least one halogen atom;
- aryl and arylalkyl radicals, wherein the aryl group comprises 6 carbon atoms and the alkyl group comprises from 1 to 4 carbon atoms; and wherein the aryl group is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero

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atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom;

- $R_1$  and  $R_2$  may optionally form, together with the nitrogen atom to which they are attached, at least one heterocycle and may comprise at least one other hetero atom, wherein the heterocycle is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom; and
- $R_1$  or  $R_2$  may optionally form, together with the nitrogen to which they are attached and one of the carbon atoms of the phenyl group bearing the nitrogen atom, at least one heterocycle;

-  $R_3$  and  $R_4$ , which may be identical or different, are each chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms;

-  $R_5$ , which may be identical or different, is chosen from a hydrogen atom, a halogen atom and linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, optionally interrupted with at least one hetero atom;

-  $R_6$ , which may be identical or different, is chosen from a hydrogen atom; a halogen atom; linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the alkyl radicals are optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom and are optionally substituted with at least one halogen atom;

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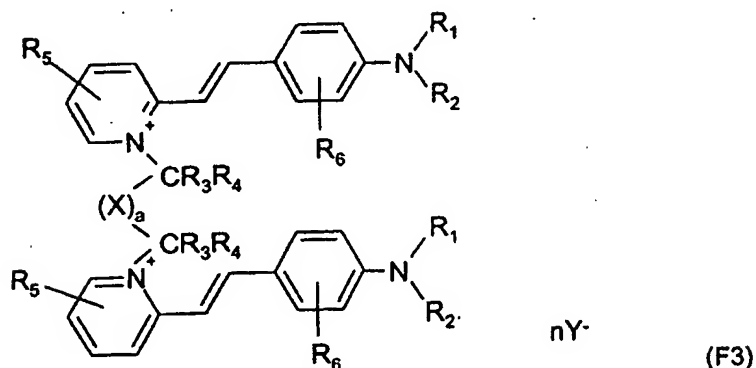
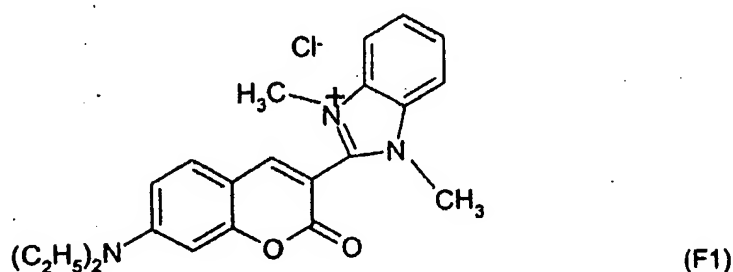
- X is chosen from:

- linear and branched alkyl radicals comprising from 1 to 14 carbon atoms and alkenyl radicals comprising from 2 to 14 carbon atoms, wherein the alkyl radicals and alkenyl radicals are optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and are optionally substituted with at least one halogen atom;
- 5- or 6-membered heterocyclic radicals optionally substituted with at least one of:
  - linear and branched alkyl radicals comprising from 1 to 14 carbon atoms, wherein the at least one alkyl radicals are optionally substituted with at least one entity chosen from hetero atoms;
  - linear and branched aminoalkyl radicals comprising from 1 to 4 carbon atoms, optionally substituted with at least one hetero atom; and
  - halogen atoms;
- fused and non-fused aromatic and diaromatic radicals, optionally separated with an alkyl radical comprising from 1 to 4 carbon atoms, wherein the aromatic and diaromatic radicals are optionally substituted with at least one entity chosen from halogen atoms and alkyl radicals comprising from 1 to 10 carbon atoms, said alkyl radicals being optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom;
- a dicarbonyl radical; and

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- the group X possibly bearing at least one cationic charges;
- a being equal to 0 or 1;
- Y<sup>-</sup>, which may be identical or different, is chosen from organic and mineral anions; and
- n is an integer at least equal to 2 and at most equal to the number of cationic charges present in the at least one fluorescent compound. -- •

In claim 89, at page 23, in line 10, after the term "dry" insert -- ; wherein the at least one fluorescent dye is chosen from groups formed by dyes comprising the following structures:



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wherein:

 $R_1$  and  $R_2$ , which may be identical or different, are chosen from:

- a hydrogen atom;
- linear and branched alkyl radicals comprising 1 to 10 carbon atoms, optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and optionally substituted with at least one halogen atom;
- aryl and arylalkyl radicals, wherein the aryl group comprises 6 carbon atoms and the alkyl group comprises from 1 to 4 carbon atoms; and wherein the aryl group is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom;
- $R_1$  and  $R_2$  may optionally form, together with the nitrogen atom to which they are attached, at least one heterocycle and may comprise at least one other hetero atom, wherein the heterocycle is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom; and
- $R_1$  or  $R_2$  may optionally form, together with the nitrogen to which they are attached and one of the carbon atoms of the phenyl group bearing the

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nitrogen atom, at least one heterocycle;

- R<sub>3</sub> and R<sub>4</sub>, which may be identical or different, are each chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms;

- R<sub>5</sub>, which may be identical or different, is chosen from a hydrogen atom, a halogen atom and linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, optionally interrupted with at least one hetero atom;

- R<sub>6</sub>, which may be identical or different, is chosen from a hydrogen atom; a halogen atom; linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the alkyl radicals are optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom and are optionally substituted with at least one halogen atom;

- X is chosen from:

- linear and branched alkyl radicals comprising from 1 to 14 carbon atoms and alkenyl radicals comprising from 2 to 14 carbon atoms, wherein the alkyl radicals and alkenyl radicals are optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and are optionally substituted with at least one halogen atom;
- 5- or 6-membered heterocyclic radicals optionally substituted with at least one of:

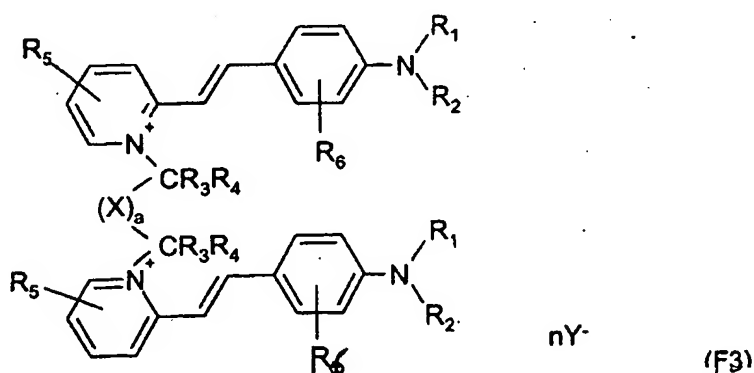
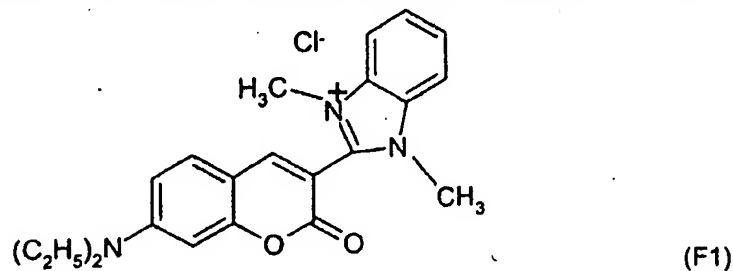
linear and branched alkyl radicals comprising from 1 to 14 carbon atoms, wherein the at least one alkyl radicals are optionally substituted with at least one entity chosen from hetero atoms;

linear and branched aminoalkyl radicals comprising from 1 to 4 carbon atoms, optionally substituted with at least one hetero atom; and halogen atoms;

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- fused and non-fused aromatic and diaromatic radicals, optionally separated with an alkyl radical comprising from 1 to 4 carbon atoms, wherein the aromatic and diaromatic radicals are optionally substituted with at least one entity chosen from halogen atoms and alkyl radicals comprising from 1 to 10 carbon atoms, said alkyl radicals being optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom;
  - a dicarbonyl radical; and
  - the group X possibly bearing at least one cationic charges;
- a being equal to 0 or 1;
- Y<sup>-</sup>, which may be identical or different, is chosen from organic and mineral anions; and
- n is an integer at least equal to 2 and at most equal to the number of cationic charges present in the at least one fluorescent compound.

In claim 91, at page 24, in line 9, after the "dry" insert -- ; wherein the at least one fluorescent dye is chosen from groups formed by dyes comprising the following structures:



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wherein:

$R_1$  and  $R_2$ , which may be identical or different, are chosen from:

- a hydrogen atom;
- linear and branched alkyl radicals comprising 1 to 10 carbon atoms, optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and optionally substituted with at least one halogen atom;
- aryl and arylalkyl radicals, wherein the aryl group comprises 6 carbon atoms and the alkyl group comprises from 1 to 4 carbon atoms; and wherein the aryl group is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom;
- $R_1$  and  $R_2$  may optionally form, together with the nitrogen atom to which they are attached, at least one heterocycle and may comprise at least one other hetero atom, wherein the heterocycle is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom; and
- $R_1$  or  $R_2$  may optionally form, together with the nitrogen to which they are attached and one of the carbon atoms of the phenyl group bearing the

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nitrogen atom, at least one heterocycle;

- R<sub>3</sub> and R<sub>4</sub>, which may be identical or different, are each chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms;

- R<sub>5</sub>, which may be identical or different, is chosen from a hydrogen atom, a halogen atom and linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, optionally interrupted with at least one hetero atom;

- R<sub>6</sub>, which may be identical or different, is chosen from a hydrogen atom; a halogen atom; linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the alkyl radicals are optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom and are optionally substituted with at least one halogen atom;

- X is chosen from:

- linear and branched alkyl radicals comprising from 1 to 14 carbon atoms and alkenyl radicals comprising from 2 to 14 carbon atoms, wherein the alkyl radicals and alkenyl radicals are optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and are optionally substituted with at least one halogen atom;
- 5- or 6-membered heterocyclic radicals optionally substituted with at least one of:

linear and branched alkyl radicals comprising from 1 to 14 carbon atoms, wherein the at least one alkyl radicals are optionally substituted with at least one entity chosen from hetero atoms;

linear and branched aminoalkyl radicals comprising from 1 to 4 carbon atoms, optionally substituted with at least one hetero atom; and  
halogen atoms;

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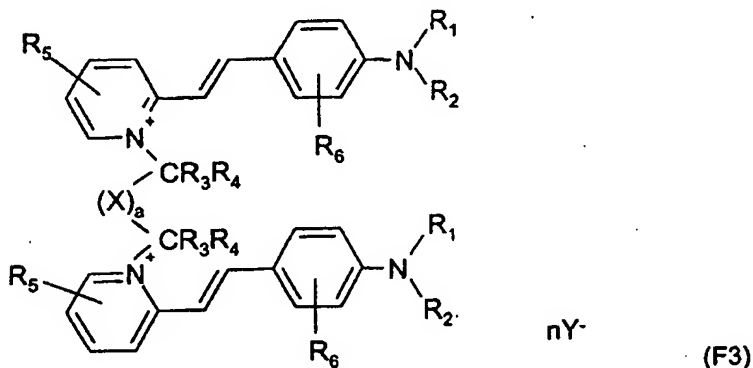
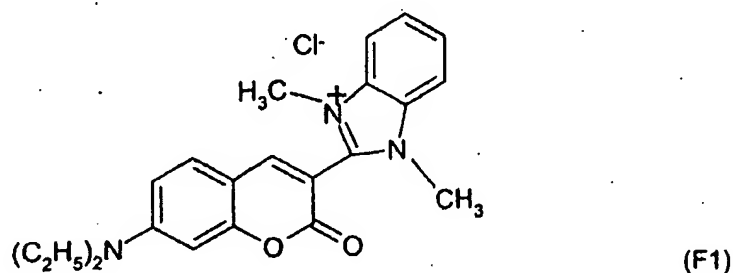
- fused and non-fused aromatic and diaromatic radicals, optionally separated with an alkyl radical comprising from 1 to 4 carbon atoms, wherein the aromatic and diaromatic radicals are optionally substituted with at least one entity chosen from halogen atoms and alkyl radicals comprising from 1 to 10 carbon atoms, said alkyl radicals being optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom;
- a dicarbonyl radical; and
- the group X possibly bearing at least one cationic charges;

- a being equal to 0 or 1;

- Y, which may be identical or different, is chosen from organic and mineral anions; and

n is an integer at least equal to 2 and at most equal to the number of cationic charges present in the at least one fluorescent compound — •

In claim 92, at page 25, in line 9, after the word "agent" insert -- ; wherein the at least one fluorescent dye is chosen from groups formed by dyes comprising the following structures:



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wherein:

$R_1$  and  $R_2$ , which may be identical or different, are chosen from:

- a hydrogen atom;
- linear and branched alkyl radicals comprising 1 to 10 carbon atoms, optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and optionally substituted with at least one halogen atom;
- aryl and arylalkyl radicals, wherein the aryl group comprises 6 carbon atoms and the alkyl group comprises from 1 to 4 carbon atoms; and wherein the aryl group is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom;
- $R_1$  and  $R_2$  may optionally form, together with the nitrogen atom to which they are attached, at least one heterocycle and may comprise at least one other hetero atom, wherein the heterocycle is optionally substituted with at least one alkyl radical chosen from linear and branched alkyl radicals, wherein the at least one alkyl radical is optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and is optionally substituted with at least one halogen atom; and
- $R_1$  or  $R_2$  may optionally form, together with the nitrogen to which they are attached and one of the carbon atoms of the phenyl group bearing the

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nitrogen atom, at least one heterocycle;

- R<sub>3</sub> and R<sub>4</sub>, which may be identical or different, are each chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms;

- R<sub>5</sub>, which may be identical or different, is chosen from a hydrogen atom, a halogen atom and linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, optionally interrupted with at least one hetero atom;

- R<sub>6</sub>, which may be identical or different, is chosen from a hydrogen atom; a halogen atom; linear and branched alkyl radicals comprising from 1 to 4 carbon atoms, wherein the alkyl radicals are optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom and are optionally substituted with at least one halogen atom;

- X is chosen from:

- linear and branched alkyl radicals comprising from 1 to 14 carbon atoms and alkenyl radicals comprising from 2 to 14 carbon atoms, wherein the alkyl radicals and alkenyl radicals are optionally interrupted and/or substituted with at least one entity chosen from hetero atoms and groups comprising at least one hetero atom and are optionally substituted with at least one halogen atom;
- 5- or 6-membered heterocyclic radicals optionally substituted with at least one of:

linear and branched alkyl radicals comprising from 1 to 14 carbon atoms, wherein the at least one alkyl radicals are optionally substituted with at least one entity chosen from hetero atoms;

linear and branched aminoalkyl radicals comprising from 1 to 4 carbon atoms, optionally substituted with at least one hetero atom; and  
halogen atoms;

- fused and non-fused aromatic and diaromatic radicals, optionally separated with an alkyl radical comprising from 1 to 4 carbon atoms, wherein the aromatic and diaromatic radicals are optionally substituted with at least one entity chosen from halogen atoms and alkyl radicals comprising from 1 to 10 carbon atoms, said alkyl radicals being optionally substituted and/or interrupted with at least one entity chosen from hetero atoms and groups bearing at least one hetero atom;
- a dicarbonyl radical; and
- the group X possibly bearing at least one cationic charges;

- a being equal to 0 or 1;

- Y<sup>-</sup>, which may be identical or different, is chosen from organic and mineral anions; and

n is an integer at least equal to 2 and at most equal to the number of cationic charges present in the at least one fluorescent compound. — •

4 Claims 2, 4-22, 25-46, 49-57 and 59-93 are allowed.

#### STATEMENT OF REASONS FOR ALLOWANCE

The closest prior art of record (2001/0054206 A1) alone or in combination with (US 2001/0023514 A1) does not teach or disclose a cosmetic composition, a method for dyeing keratin materials, a process for dyeing human keratin fibers, a process for dyeing human keratin fibers with lighting effect or a multi-compartment kit for dyeing keratin materials comprising at least one fluorescent dye of the claimed formulae (F1) and (F3) in a combination with at least one surfactant as claimed. Accordingly the claimed subject matter as a whole would not have been obvious to one having ordinary skill in the art of keratin materials dyeing formulation.

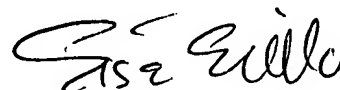
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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eisa B. Elhilo whose telephone number is (571) 272-1315. The examiner can normally be reached on M - F (8:00 -4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Eisa Elhilo  
Primary Examiner  
Art Unit 1751

November 30, 2006